VESSEL FOR CELL SUSPENSION CULTURE

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Inventor(s):

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Applicant(s)::

SUMITOMO BAKELITE CO LTD

Requested Patent:

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Priority Number(s):

IPC Classification:

C12M3/02; C12M1/22; C12M1/24; C12M3/04

EC Classification:

Equivalents:

Abstract

PURPOSE: To provide the subject container free from damage and loss of cells and cell blocks during the exchange of a culture solution, facilitating spheroid culture, capable of obtaining a culture system stable for a long time and useful for culture system such as an experimental system, a testing system of a toxicological test for a toxic substance and production of a useful material.

CONSTITUTION: A vessel is divided into two sections by a partition plate 2 or 8. One is a culture section 3 for culturing cells or cell blocks and the other is a culture solution-exchanging section 4 for exchanging a culture liquid. At least a part of the partition plate is consists of a net-like structure 5 or 7 which is impermeable to cells and permeable to a culture liquid.

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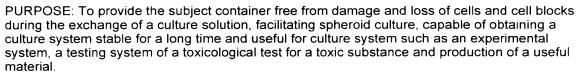


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(54) 【発明の名称】 細胞浮遊培養用容器

(57)【要約】

【構成】 一つの容器内を仕切り板2,8によって、細 胞または細胞塊を培養するための培養部3と培養液を交 換するための培養液交換部4とに分け、その境界の少な くとも一部に、細胞は透過せず培養液は透過し得る網目 状構造物5,7を設けた。

【効果】 培養液交換時における細胞や細胞塊の損傷や 逸失がなくなるので、細胞機能の維持に有効な細胞塊 (スフェロイド) 培養が容易になり、また長期に安定な 培養系を提供できるので、培養系を用いた実験系、毒物 の毒性試験のための試験系、有用物質の生産等に適用す ることが出来る。

